

EDISTO RIVER BASIN

02172300 McTIER CREEK NEAR MONETTA, SC

LOCATION--Lat 33°45'12", long 81°36'07", Aiken County, Hydrologic Unit 03050204, on downstream side of bridge on County Road 209, 1.1 mi upstream of Gully Creek, 4.6 mi upstream of mouth, and 6.7 mi south of Monetta.

DRAINAGE AREA.--15.3 mi².

PERIOD OF RECORD.--October 1995 to September 1997, February 2001 to current year.

GAGE.--Data collection platform. Elevation of gage is 345 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	6.2	7.3	6.0	6.1	9.7	22	14	e2.7	2.5	1.9	2.9
2	3.4	6.0	7.3	6.4	6.0	21	15	13	e2.6	2.5	2.5	2.7
3	3.2	6.0	7.4	7.3	5.9	30	12	9.5	e2.5	2.7	2.2	2.5
4	e3.3	6.1	7.2	7.9	6.0	20	10	12	e2.4	2.3	2.0	2.3
5	3.3	6.5	7.2	8.0	6.1	15	9.9	13	e2.4	2.2	1.9	2.1
6	3.5	6.8	7.2	17	9.7	13	9.6	10	e2.3	2.1	1.7	2.0
7	3.6	6.9	7.1	18	54	13	9.1	8.2	e2.2	1.9	1.7	1.9
8	3.5	7.1	6.9	12	24	12	9.0	7.7	e2.2	1.9	1.6	1.8
9	3.4	7.5	6.8	10	18	12	9.2	7.3	e2.1	1.8	1.6	1.8
10	3.5	7.7	7.8	8.0	16	13	19	6.5	e2.1	1.9	1.5	1.8
11	3.7	7.9	22	e7.6	14	11	17	6.2	e2.0	2.2	1.4	1.7
12	3.9	7.8	11	e8.1	13	12	14	6.0	e2.0	2.9	1.5	1.6
13	4.1	7.7	8.0	14	13	21	16	6.2	e2.0	2.4	1.4	1.6
14	4.6	8.0	7.3	10	12	17	13	10	e4.0	3.9	1.5	12
15	5.5	8.5	6.5	8.9	11	14	11	7.7	e3.6	3.0	1.5	22
16	5.0	8.5	6.2	8.5	11	12	10	5.8	e2.7	2.5	1.5	27
17	4.6	8.4	6.1	7.9	11	11	10	4.8	e2.4	2.2	1.6	10
18	4.5	8.4	7.9	7.1	11	11	8.9	9.7	e2.3	2.0	1.8	35
19	4.5	8.3	7.2	6.8	10	10	8.7	11	e2.2	1.9	1.6	26
20	4.8	8.3	6.7	11	10	9.5	8.2	6.4	2.2	1.7	1.7	12
21	4.5	8.3	6.4	10	11	18	7.6	4.5	2.1	1.6	1.6	8.7
22	4.5	7.9	6.2	9.8	11	16	7.2	3.9	2.1	1.9	1.6	6.8
23	4.6	8.5	6.1	8.6	10	12	6.6	3.7	2.9	1.9	1.6	5.9
24	4.9	12	5.9	8.0	10	11	7.0	3.4	3.4	1.9	1.5	5.5
25	5.2	9.5	6.0	10	10	10	6.8	3.1	3.2	2.0	1.5	5.3
26	5.3	8.3	6.0	9.0	10	10	6.5	3.3	4.0	1.8	1.8	6.3
27	5.4	7.8	6.0	8.0	11	12	6.4	2.9	4.2	1.8	1.8	7.7
28	6.2	7.6	6.0	6.9	10	10	6.4	2.8	3.3	1.7	2.6	7.0
29	7.3	7.7	5.8	6.6	---	9.5	6.2	2.9	3.0	1.6	2.3	5.9
30	7.3	7.5	5.9	6.2	---	11	6.2	e2.8	2.7	1.6	3.1	5.4
31	7.3	---	5.9	6.1	---	24	---	e2.7	---	1.8	2.9	---
TOTAL	142.3	233.7	227.3	279.7	350.8	430.7	308.5	211.0	79.8	66.1	56.4	235.2
MEAN	4.59	7.79	7.33	9.02	12.5	13.9	10.3	6.81	2.66	2.13	1.82	7.84
MAX	7.3	12	22	18	54	30	22	14	4.2	3.9	3.1	35
MIN	3.2	6.0	5.8	6.0	5.9	9.5	6.2	2.7	2.0	1.6	1.4	1.6
CFSM	0.30	0.51	0.48	0.59	0.82	0.91	0.67	0.44	0.17	0.14	0.12	0.51
IN.	0.35	0.57	0.55	0.68	0.85	1.05	0.75	0.51	0.19	0.16	0.14	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

02172300 McTIER CREEK NEAR MONETTA, SC--Continued

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 1996 - 2002

ANNUAL TOTAL	2621.5	18.3
ANNUAL MEAN	7.18	26.5
HIGHEST ANNUAL MEAN		7.18
LOWEST ANNUAL MEAN		2002
HIGHEST DAILY MEAN	54	Mar 7 1996
LOWEST DAILY MEAN	1.4 a Aug 11	1.4 a Aug 11 2002
ANNUAL SEVEN-DAY MINIMUM	1.5 Aug 10	1.5 Aug 10 2002
MAXIMUM PEAK FLOW	74 Feb 7	536 Mar 7 1996
MAXIMUM PEAK STAGE	4.75 Feb 7	7.48 Mar 7 1996
ANNUAL RUNOFF (CFSM)	0.47	1.20
ANNUAL RUNOFF (INCHES)	6.37	16.25
10 PERCENT EXCEEDS	13	34
50 PERCENT EXCEEDS	6.4	17
90 PERCENT EXCEEDS	1.8	3.4

a Also occurred Aug. 13.

e Estimated

